

WHAT IS CLAIM IS:

1. A liquid crystal display comprising:

a first substrate comprising a first electrode;

a second substrate comprising thereon a second electrode having at least one elongate hole having a longitudinal direction and facing to said first electrode and said second electrode is supplied by a pixel voltage;

a third electrode positioned under said at least one hole and between said second electrode and said second substrate and said third electrode is supplied by a bias voltage; and

a liquid crystal layer comprising a plurality of liquid crystal molecules and interposed between said first substrate and said second substrate,

wherein an interval between said pixel voltage and said bias voltage is for preventing said liquid crystal molecules rotating reversely.

2. The liquid crystal display of claim 1, wherein said third electrode has at least one notch disposed on an edge thereof and a longitudinal direction perpendicular to said longitudinal direction of said elongate hole.

3. The liquid crystal display of claim 1, wherein said second electrode is divided into said plurality of sub-electrodes by a plurality of slits.

4. The liquid crystal display of claim 3, wherein said second electrode further comprises a plurality of gaps respectively aligned with said slit and pointed to said third electrode.

5. The liquid crystal display of claim 1, wherein said liquid crystal molecules are negative dielectric anisotropy material.

6. The liquid crystal display of claim 1, wherein said second substrate further comprises a switching element connected to said second electrode.

7. The liquid crystal display of claim 1, wherein said third electrode is connected to an independent electrode.
8. The liquid crystal display of claim 1, wherein said third electrode is electrically connected to a gate electrode.
9. The liquid crystal display of claim 1, wherein said first electrode is made of a transparent material.
10. The liquid crystal display of claim 1, wherein said second electrode is made of a transparent material.
11. The liquid crystal display of claim 1, wherein said third electrode is made of an opaque material.
12. The liquid crystal display of claim 1, wherein said second electrode is electrically connected to a switching element.
13. The liquid crystal display of claim 1, wherein said interval is at least two volts.
14. The liquid crystal display of claim 13, wherein said liquid crystal display is applied by a positive electric field, said bias voltage is at least two volts higher than said pixel voltage.
15. The liquid crystal display of claim 13, wherein said liquid crystal display is applied by a negative electric field, said bias voltage is at least two volts lower than said pixel voltage.
16. The liquid crystal display of claim 1, wherein said first electrode is biased by a common voltage.